SmartPro Tower UPS

Intelligent, line-interactive network power management system

Model #: SMART750SLT

- 750VA line interactive tower UPS
- Maintains sine-wave 100, 110 or 120V nominal output over an input range of 83 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot
- Single line TEL/DSL and network ethernet line surge suppression
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's SMART750SLT intelligent, line-interactive sine wave UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 7 minutes fully loaded. 750VA / 500 watt power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes 8 protected NEMA 5-15R output receptacles total, 4 of which offer surge suppression-only for less critical desktop accessories. Supports simultaneous remote monitoring of UPS and site power conditions via built-in network accessory card slot, USB and DB9 serial monitoring ports. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. Communications interfaces support messaging of UPS and line power status, plus output power control for delayed or immediate reboot of all connected devices at once. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in audible alarm and 10 LEDs offer status notification for line power, battery power, battery charge level, load level, plus AVR boost and trim operational status information. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Also includes single line TEL / DSL or ethernet line surge suppression. Attractive, all-black tower housing. Two year warranty with $250,000 Ultimate Lifetime Insurance.

KEY BUYING POINTS

- SMART750SLT line-interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 750VA / 500 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 20 minutes at half load (375VA / 250 watts) and 7 minutes at full load (750VA / 500 watts)
- Automatic Voltage Regulation (AVR) circuits maintain user-selectable 100, 110 or 120V nominal output over an input voltage range of 83 to 145V
- Includes 8 NEMA 5-15R output receptacles total, 4 with UPS and surge suppression for critical devices and 4 with surge-only protection for less critical accessories
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- 10 LEDs offer continuous status information of UPS operating parameters and site power quality
- Hot-swappable batteries allow on-site battery replacement without powering off connected equipment
- Single line TEL/DSL and network ethernet line surge suppression

- UL (USA), cUL (Canada), NOM (Mexico), FCC Class B (Emissions) Listed
- 2 year warranty with up to $250,000 connected equipment insurance

TYPICAL APPLICATIONS

- Ideal for the protection of network fileservers, internetworking gear, switches, hubs, POS terminals, VOIP telephony and traditional PBX switching systems, back office computer systems, ATM machines, informational/internet/commerce kiosks, remote unattended servers, web servers, database servers, security systems, card readers, security cameras and other sensitive electronic devices requiring clean, continuously-regulated output power.

OPTIONS & ACCESSORIES

- SNMP accessories: SNMPWEBCARD, ENVIROSENSE
- Watchdog software: WATCHDOGSW
- Dataline protectors: DNET1 DTEL2, DCATV
- Circuit Tester: CT120
- Power Distribution: PDU1215
- USB Hubs-accessories: U202-004-R, U205-004-R, U022-010
- Extended warranties: 3 Year WEXT3-500-1500, 5 Year WEXT5-500-1500

PACKAGE INCLUDES

- SMART750SLT UPS System
- PowerAlert Software CD-Rom
- USB and serial cabling
- User manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	Line-interactive tower UPS protects against blackouts, brownouts, overvoltages, surges and line noise. Maintains AC output during blackouts and continuously corrects inputs from 83 to 145 volts back to normal 100,110 or 120V levels. Supports enhanced monitoring of UPS and line power conditions via built-in USB and DB9 serial ports, included PowerAlert monitoring software and complete cabling. Includes expansion slot for use with internal SNMPWEBCARD.
Voltage compatibility:	100, 110 or 120V AC
Frequency compatibility:	50/60 Hz

OUTPUT

Output volt amp capacity (VA):	750
Output watt capacity (watts):	500
Output nominal voltage:	100, 110 or 120V AC
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-13% / +15%), BATTERY MODE: Sine wave output 120V (+/-5%)
Output frequency regulation:	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
Outlet quantity / type:	8 NEMA 5-15R
Customized load management receptacles:	Output receptacles are arranged in a single load bank configuration that can be remotely controlled via software interface for delayed or immediate reboot of connected equipment

INPUT

Input connection type:	NEMA 5-15P
Input cord length:	6 ft.
Recommended electrical service:	15A 120V

BATTERY

Full load runtime:	7 minutes (750VA)
Half load runtime:	20 minutes (375VA)
DC system voltage:	24V DC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	4-8 hours to 90%
Replacement Battery Cartridge:	RBC51 (quantity 2)

VOLTAGE REGULATION

Voltage regulation description:	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 100, 110 or 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction:	Input voltages between 127 and 145V AC are reduced by 13%
Direct pass through:	Input voltages between 109 and 126V AC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 83 and 108V AC are boosted by 32% and 17%

LEDS ALARMS & SWITCHES

Front panel LEDs:	Includes 10 front panel LEDs to indicate line / battery power status, over / under voltage correction, battery charge level, load percentage, overload and replace battery.
Alarms:	Audible alarms indicate BATTERY MODE and OVERLOAD, UPS POWERED ON
Switches:	Yes, includes 2 front panel mounted switches - POWER ON switch powers UPS on in AC or battery mode when pressed longer than one second. Power on switch also initiates self test when pressed longer than .5 seconds as the UPS is in line power mode. Also serves as an alarm silence when pressed for longer than .5 seconds in battery mode. POWER OFF switch turns UPS off when pressed and held for longer than 1 second.

SURGE / NOISE SUPPRESSION

AC surge suppression:	480 joules
AC suppression response time:	Instantaneous
Dataline suppression:	Includes 8 wire RJ45 style jack - pins 1,2,3 & 6 offer 10baseT ethernet line surge suppression with 7.5V clamping, pins 4 & 5 offer single line TEL / DSL line suppression starting at 260V
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	32
Shipping weight (kg):	14.5
Unit weight (lbs):	30
Unit weight (kg):	13.6
Unit Dimensions (HWD/in):	10.25 x 6.75 x 9
Unit Dimensions (HWD/cm):	26 x 17.1 x 22.9
Shipping Dimensions (HWD/in):	13.75 x 9.75 x 13.25
Shipping Dimensions (HWD/cm):	34.9 x 24.8 x 33.7
Material of construction:	Steel
Form factors supported:	Tower
Cooling method:	Rear panel fan

Battery Access:	Supports battery access and hot-swap replacement without powering connected equipment off

ENVIRONMENTAL

Operating Temperature:	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port:	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and output power control for delayed or immediate reboot of connected equipment
Software and cabling included:	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB & 1-DB9
SNMP compatibility:	Yes via SNMP adapter accessory #SNMPWEBCARD
WatchDog compatibility:	Yes, compatible with Tripp Lite's WatchDog Software to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment—ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode:	4-8 milliseconds
Low voltage transfer to battery power:	Switches to battery power as line voltage decreases to 83 volts or less. Resets back to line power mode as line voltage increases to 87 volts or higher.
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 145 volts or higher. Resets back to line power mode as line voltage decreases to 141V or less.

CERTIFICATIONS

Certifications:	UL1778 (USA), cUL (Canada), Class B (emissions), RoHS-Compliant, FCC Part 68 / Industry Canada (telecommunications)

WARRANTY

Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	$250,000 connected equipment insurance (USA / Canada only)

SPECIAL FEATURES

Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure by pressing and holding the POWER ON button for longer than 1 second.
Appearance:	Attractive all-black tower UPS

The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.

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